

FACTS
FILE

IN THE SAN FRANCISCO BAY AREA

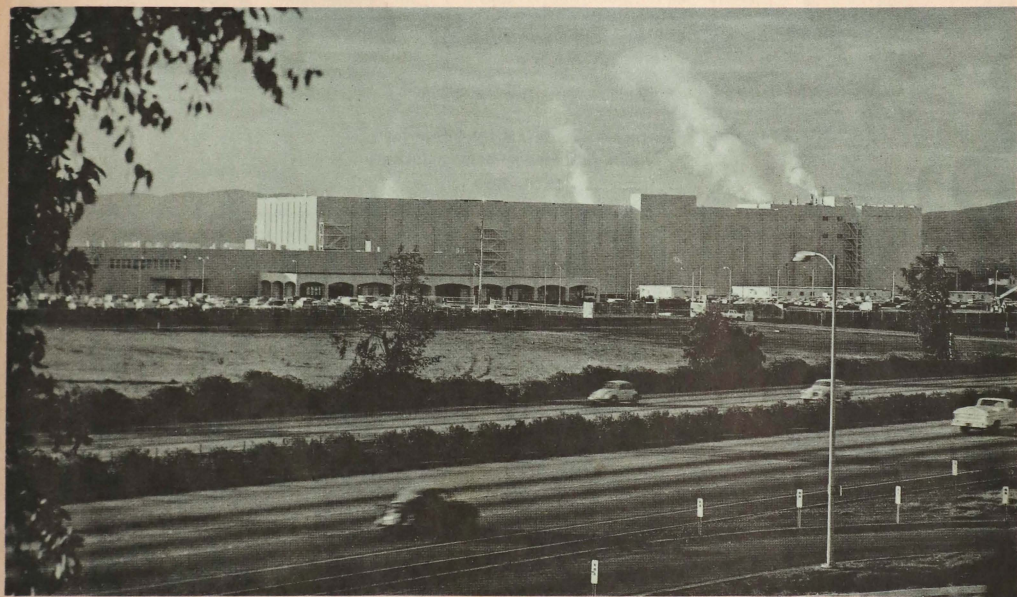
NEAR EVERYTHING — AWAY FROM CONGESTION

DEC - 7 1982

MANUFACTURING &
EMPLOYMENT

NON CIRCULATING

SOLANO COUNTY INDUSTRIAL DEVELOPMENT AGENCY • 605 TEXAS STREET • FAIRFIELD, CA 94533



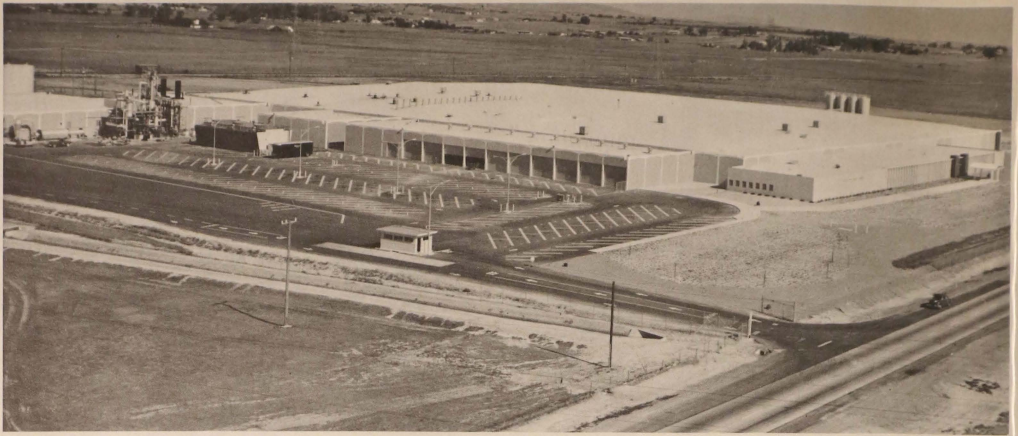
Anheuser-Busch Brewery, Fairfield

Solano County is the home of a number of nationally prominent industries and major government facilities. The county is one of the nine San Francisco Bay Area counties and is located midway between San Francisco and Sacramento, the State Capital. Labor supply trends generally resemble those of other communities with a surplus of unskilled and semi-skilled workers. A large number of technical, skilled and semi-skilled reside in the county or commute from the Bay Area. The freeway system reaching in all directions makes all parts of Solano County easily accessible to the labor supply. Local school systems and non-profit organizations provide a variety of training programs to assist industry.

Solano Community College, located at Cordelia near

Fairfield offers a vocational education department two year degree program in a variety of skills including those needed by new or existing industry. The University of California, Davis, in the northern part of the county and other area universities and colleges produce a supply of scientific and technical talent that is available to Solano County industry.

The area, because of its location, offers the amenities of small town living, and the advantages of the nearby large cities. The worker can live close to the place he works and at the same time reach San Francisco-Oakland and Sacramento quickly because of the network of freeways.



American Home Foods, Inc., Vacaville

Wage and Salary Employment (a)
Annual Averages — Solano County
1977—1980

	Annual Averages		Forecast	
	1977	1978	1979	1980
Total, all industries	65,500	68,800	70,900	73,800
Agricultural employment	2,400	2,400	2,400	2,400
Nonagricultural employment	63,100	66,400	68,500	71,400
Mining	200	200	200	200
Construction	2,900	3,400	3,600	3,900
Manufacturing	5,500	6,000	6,300	6,700
Durable goods	2,000	2,300	2,400	2,700
Nondurable goods	3,500	3,700	3,900	4,000
Food & kindred products	2,400	2,500	2,700	2,800
Other nondurable goods	1,100	1,200	1,200	1,200
Transportation & public utilities	2,700	3,000	3,200	3,400
Wholesale trade	1,200	1,400	1,500	1,600
Retail trade	10,900	12,100	12,900	13,500
Food stores	1,400	1,800	2,000	2,200
Eating & drinking places	4,000	4,400	4,600	4,900
Other retail trade	5,500	5,900	6,300	6,400
Finance, insurance, & real estate	1,900	2,200	2,400	2,500
Services	9,100	10,100	10,700	11,600
Business	1,200	1,500	1,700	1,900
Health	3,400	3,700	3,800	4,000
Social services & membership organizations	1,800	1,900	2,000	2,100
Other services	2,700	3,000	3,200	3,600
Government	28,700	28,000	27,700	28,000
Federal	15,400	14,700	14,500	14,700
State and local	13,300	13,300	13,200	13,300

(a) Employment reported by place of work and does not include persons involved in labor management trade disputes.

NOTE: Source of all tables and charts contained herein unless otherwise noted is from the California Employment Development Department, Annual Planning Information, Solano County 1979-80, dated May, 1979.

**ESTIMATED NUMBER OF WAGE AND SALARY
WORKERS, BY INDUSTRY
SOLANO COUNTY 1978
(Amounts in thousands)**

Industry	Avg.
Total, all industries	68.8
Agricultural wage and salary workers	2.4
Nonagricultural wage and salary workers	66.4
Mining	.2
Construction	3.4
Manufacturing	6.0
Nondurable goods	3.7
Food and kindred products	2.5
Other nondurable goods	1.2
Durable goods	2.3
Transportation and public utilities	3.0
Transportation	1.6
Motor freight and warehousing	.9
Other transportation	.07
Communication and electric, gas and sanitary services	1.4
Wholesale trade	1.4
Retail trade	12.1
General merchandise stores	1.4
Food stores	1.8
Auto dealers and service stations	2.0
Furniture and home furnishings stores	.6
Eating and drinking places	4.4
Other retail trade	1.9
Finance, insurance and real estate	2.2
Finance	1.2
Insurance and real estate	1.0
Services	10.1
Hotels and other lodging places	.2
Personal services	.7
Business services	1.5
Amusement and recreation services	.4
Health services	3.7
Social services and membership organizations	1.9
Other services	1.7
Government	28.0
Federal	14.7
State and local	13.3



Armour & Co., Dixon

Manufacturing

Manufacturing in Solano County has been growing at a strong and steady pace since 1972. The growth is the result of both expansion of existing firms and even more significantly, new firms locating in the county.

Solano County has some 325 privately operated industries, distribution and service firms and two major military facilities, Mare Island Naval Shipyard and Travis Air Force Base. Many of the firms located in the county have both national and international reputations. These include Ace Hardware Corporation; Allied Products Company; Amerada Hess Corporation; American Home Foods, Inc.; American Parts System, Inc.; Anheuser-Busch, Inc.; Anthony Industries; Armour and Company; Babcock & Wilcox; Ball Metal Container Group; Basic Vegetable Products; Benicia Import Auto Service; Berwind Railway Service; Blackwelder's; Chevron USA, Inc.; Chrysler Corporation, Marine & Industrial Products Operations; Conduit-Fabricators, Inc.; Consolidated Freightway's Inc.; Carnation Company; Continental Group; Dixon Canning Corporation; E-T Industries; Explosive Technology; Exxon Company, USA; General Mills, Sperry Division; General Overland Auto Transport; Golden West Homes; Halliburton Services; Harvard Manufacturing Company; Hines Wholesale Nurseries,

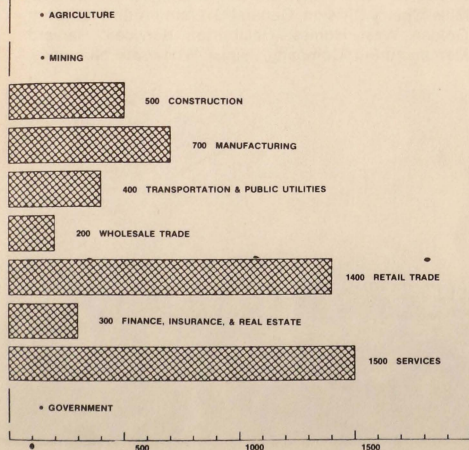


Owens-Illinois, Fairfield



Exxon, USA, Benicia

**Projected Employment Growth
By Major Industry
Solano County
1978-1980**



Inc.; International Manufacturing Company; I.T.T. Hancock; Jacuzzi Whirlpool Bath, Inc.; Jensen and Reynolds Construction; J. C. Penney; Kaiser Steel Corporation; Peter Kiewit Company; Leslie Salt Company; Lucky Stores; Owens-Illinois; Pacific Motor Trucking Company; Robbins & Myers; Seven-up Bottling Company; Sheldon Oil Company; Stoeven Brothers; Stewart/Walker Company; Sunsweet Dryers; Sperry Systems Management Division; Toyota Motor Sales; Westinghouse Electric Corporation.

Industrial Expansion

244 new firms have located manufacturing, distribution and service facilities in Solano County in the period from August 1964 to June 1979. 71 existing industries expanded during the same time. It is estimated that permanent employment was provided for approximately 7700 and seasonal jobs for 450 by these firms. The estimated investment in plant and equipment is \$430 million.

During the fiscal year ending June 30, 1979 major developments completed include manufacturing plants by Owens-Illinois, Continental Plastic Containers, Tovan Incorporated, Great Western Display, Western Insulfoam, and Allied Muffler Manufacturing Company. Facility expansion were completed by Specialty Brands, Explosive Technology, Exxon Company, and the Ball Metal Container Group.

Warehousing and Distribution

In recent years Solano County has gained wide

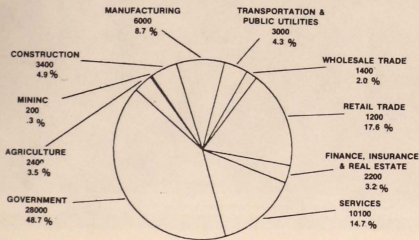


Ball Metal Container Group, Fairfield

recognition as a warehousing and distribution center. This is due to its strategic location on I-80, and on close accessibility to I-5, a major West Coast highway extending from Mexico to Canada. The Fairfield-Suisun area in the center of the county is approximately 40 miles from San Francisco and Sacramento. These were prime factors in the location of major firms such as the giant Anheuser-Busch brewery, American Home Foods, and the 840,000 square foot distribution center of the Lucky food chain.

New warehousing and distribution firms locating in Solano County in the fiscal year ending June 30, 1979 include Domglas, wine bottles; Bearing Engineering, power transmission equipment; Cooperheat, Western Division, electric post weld heat equipment; Discovery Toys; Long's Drugs; Americore, soap; Grant Supply Company, industrial pipe, valves and fittings; Mico Trucking, Payless Drug distributor; Autostyles, trucks; Diamond Power, subsidiary of Babcock and Wilcox, boiler cleaning equipment. Facility expansions included Ball Metal Containers; Hahn Distributors, beer; Breuners furniture.

**WAGE & SALARY EMPLOYMENT IN SOLANO COUNTY
BY MAJOR INDUSTRY 1978**

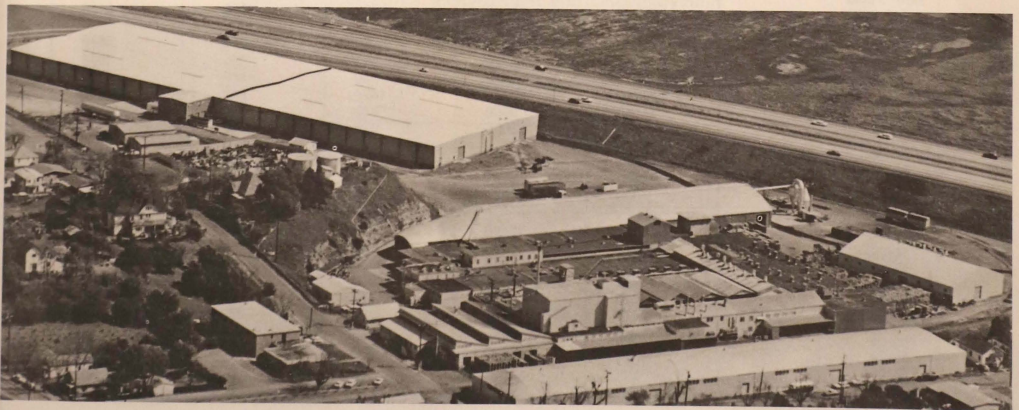


Mare Island Naval Shipyard

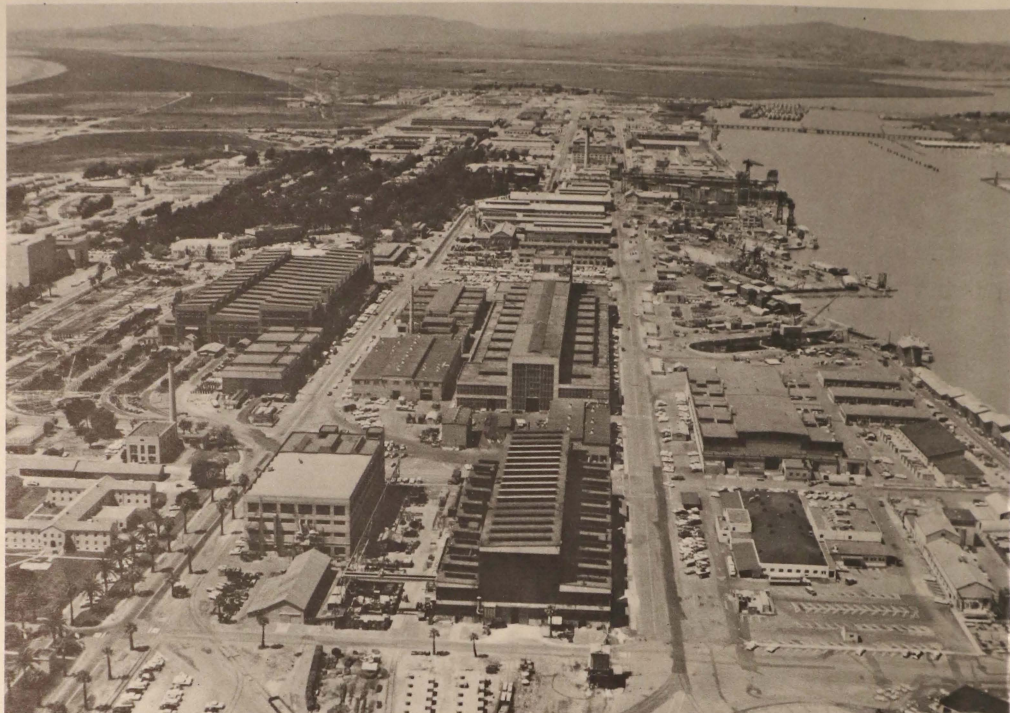
The Mare Island Naval Shipyard at Vallejo, is the oldest naval establishment (1854) on the Pacific Coast. This shipyard is one of the world's largest ship building and ship repair establishments.

In 1858, Mare Island's first ship, the gunboat SAGINAW, joined the fleet. Since then, the men and women of Mare Island have launched five hundred and thirteen ships, ranging from landing craft and destroyers to battleships and Polaris submarines.

In 1955, Mare Island ushered in its second century of service as a naval shipyard by embarking on an intensive training program to qualify its engineers and artisans in the application of nuclear propulsion to ship propulsion. Since 1958, when Mare Island delivered its first nuclear submarine, USS SARGO, it has built, or had under construction seventeen nuclear power submarines, including fleet ballistic missile firing submarines.



Basic Vegetable Products, Inc., Vacaville

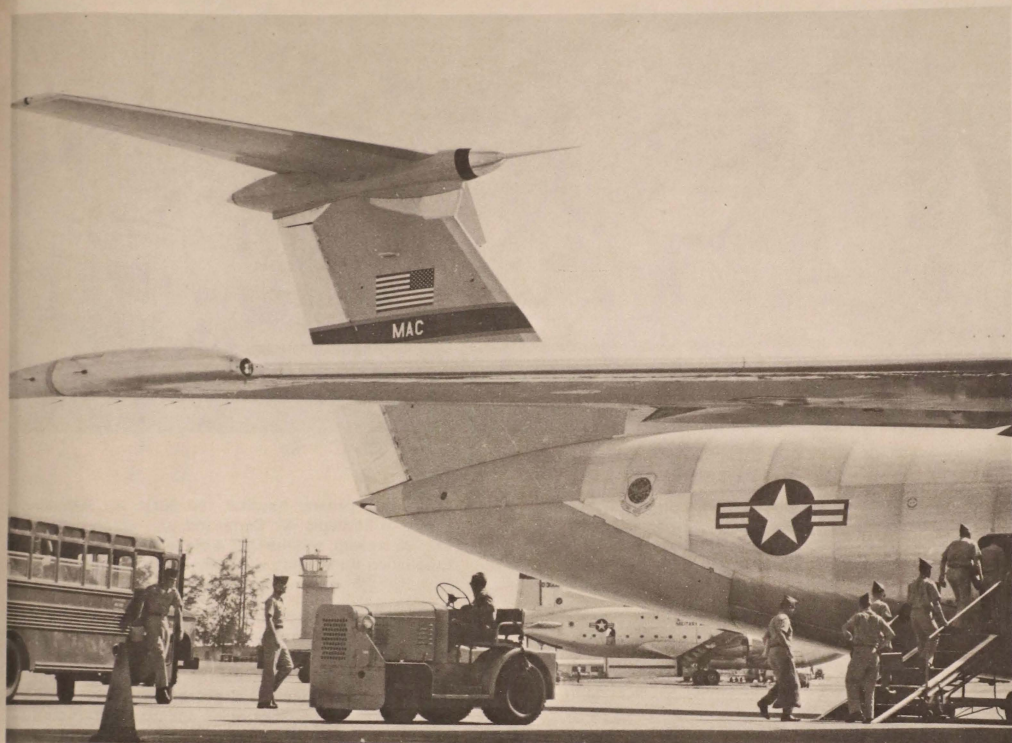


Mare Island Naval Shipyard
Solano County
Civilian Labor Force by Race, Sex and Age
1980 (projected)

Both sexes Total (b)	Total	White	Black	Other	Spanish American (a)
	88200	75040	8600	4560	9190
Male					
Total	54330	46800	4900	2640	5670
16-22	9410	8250	810	390	1070
23-24	3510	3010	340	160	250
25-34	16330	13870	1620	840	1660
35-44	11140	9650	940	550	1360
45-49	4230	3600	430	200	510
50-54	3500	2970	310	220	320
55-59	3230	2830	260	140	350
60-64	1950	1760	130	70	80
65 +	1020	870	70	70	70
Female					
Total	33870	28240	3710	1920	3520
16-22	6210	5350	600	250	720
23-24	1980	1670	220	90	170
25-34	10400	8610	1290	500	1010
35-44	7020	5770	770	480	970
45-49	2570	2000	290	280	220
50-54	2170	1760	210	210	220
55-59	2000	1740	190	60	150
60-64	1000	890	80	30	30
65 +	530	470	50	10	30

(a) The Spanish American population is defined as persons of Spanish language or Spanish surname. Spanish Americans are also counted in the racial categories as white, black or other races.

(b) Parts may not add to totals because of independent rounding.



Travis Air Force Base, Fairfield-Suisun

**Vallejo-Fairfield-Napa SMSA
Civilian Labor Force, Employment and Unemployment**

1977-1980

ANNUAL AVERAGE

	1977	1978	Forecast	
			1979	1980
Civilian labor force (a)	116,100	120,600	125,000	129,400
Employment	106,700	112,600	116,600	121,200
Unemployment	9,400	8,000	8,400	8,200
Unemployment rate	8.1	6.6	6.7	6.3

(a) Labor force by place of residence employment includes persons involved in labor-management trade disputes.
Source: California Employment Development Department, Annual Planning Information, Vallejo-Fairfield-Napa Standard Metropolitan Statistical Area 1979-1980, dated May, 1979.



Blackwelder's, Rio Vista

The employees of the shipyard include the highest skilled mechanics, engineers, technicians, scientists, and management personnel. In 1979 there were 9781 civilians employed at Mare Island with a military population of 3548. The total civilian and military payroll for 1979 was \$248,419,000.

Travis Air Force Base

Travis Air Force Base is located at Fairfield-Suisun, and just a few miles from Vacaville. Military Airlift Command is the host-operator for Travis, which is the world's largest aerial port of embarkation and is often called the "Gateway to the Pacific." The base is the home of the 60th Military Airlift Wing with two squadrons of C-141 aircraft, and two squadrons of the world's largest aircraft, the C-5 Galaxy. Travis is also the location for Headquarters, 22nd Air Force, which manages Military Airlift Command activities from the Mississippi river westward to approximately half way around the world. Those activities include passenger and cargo movement, and aeromedical evacuation. During 1978 Travis handled over 70,000 tons of air cargo and over one quarter of a million passengers traveling to and from the Pacific.

a 300 bed general hospital; the 307th Air Refueling Group, a Strategic Air Command unit which operates KC-135 tankers; and the DET 4 of the 375th Aeromedical Evacuation Airlift Wing which manages medical patient movement throughout the 22nd Air Force area.

The base working population in 1979 was 9971 military and 2411 civilian employees. This generated an annual payroll of \$179,000,000. In addition to those federal employees, there are several civilian companies concerned with commercial aircraft maintenance, and many commercial airlines which operate contract flights for Military Airlift Command.

Major Industrial Development on Ship Channel

One of the West's most dramatic industrial developments is occurring on the main San Francisco Bay ship channel in the North Bay and Carquinez Straits starting at Richmond. The great petrochemical and steel complex that has largely been centered in Contra Costa County is now moving across the ship channel to Solano County.

Exxon Company, USA operates a major oil refinery at Benicia. Pacific Gas and Electric has received

EARNINGS AND HOURS OF PRODUCTION OF MANUFACTURING AND RELATED WORKS IN CALIFORNIA AND SELECTED ADJACENT METROPOLITAN AREAS

Area	Average weekly earnings			Average hours per week			Average hourly earnings		
	AUGUST 1979	JULY 1979	AUGUST 1978	AUGUST 1979	JULY 1979	AUGUST 1978	AUGUST 1979	JULY 1979	AUGUST 1978
California	\$285.51	\$282.58	\$259.05	40.1	39.8	40.1	\$7.12	\$7.10	\$6.48
Sacramento	309.87	296.06	281.30	40.4	38.4	39.9	7.67	7.71	7.05
San Francisco-Oakland	339.15	336.48	312.00	39.9	39.4	40.0	8.50	8.54	7.80
Vallejo-Fairfield-Napa	310.95	301.39	277.80	40.7	39.5	39.8	7.64	7.63	6.98

a) Includes full and part-time labor, overtime and premium wages for late shift work. These are not wage rates, but averages of gross earnings.

b) Solano and Napa Counties.

Source: State of California, Employment Development Department. California Labor Market Bulletin, August, 1979.



Toyota Motor Sales, USA, Inc., Benicia

preliminary approval for a \$2 billion coal fired generating plant at Collinsville. National Steel Corporation owns 4,200 acres in this area, and Dow Chemical Company 2,200 acres.

Most of the remaining industrial acreage on the ship channel in the San Francisco Bay Area is located in Solano County. The Napa river and Mare Island Strait is a barge channel that connects with the ship channel in San Pablo Bay at Vallejo. In Vallejo, Kaiser Steel and Peter Kiewit have acquired/leased land on Mare Island Strait for construction and assembly of marine rigs and equipment. The map illustration shows the heavy industry concentration and the location of the major water oriented industrial sites in Solano County.

Employment

There are approximately 72,000 civilians employed in Solano County which has a total labor force of some 88,000. Workers commute from the neighboring counties of Contra Costa, Alameda, San Francisco, Marin, Sonoma, and Yolo counties. Many persons residing in Solano County are employed in these same counties. The San Francisco Bay Area has attracted many job seekers, resulting in an extensive pool of highly skilled workers available to most parts of the entire Bay Area. There is a surplus of unskilled and semi-skilled workers in the county.

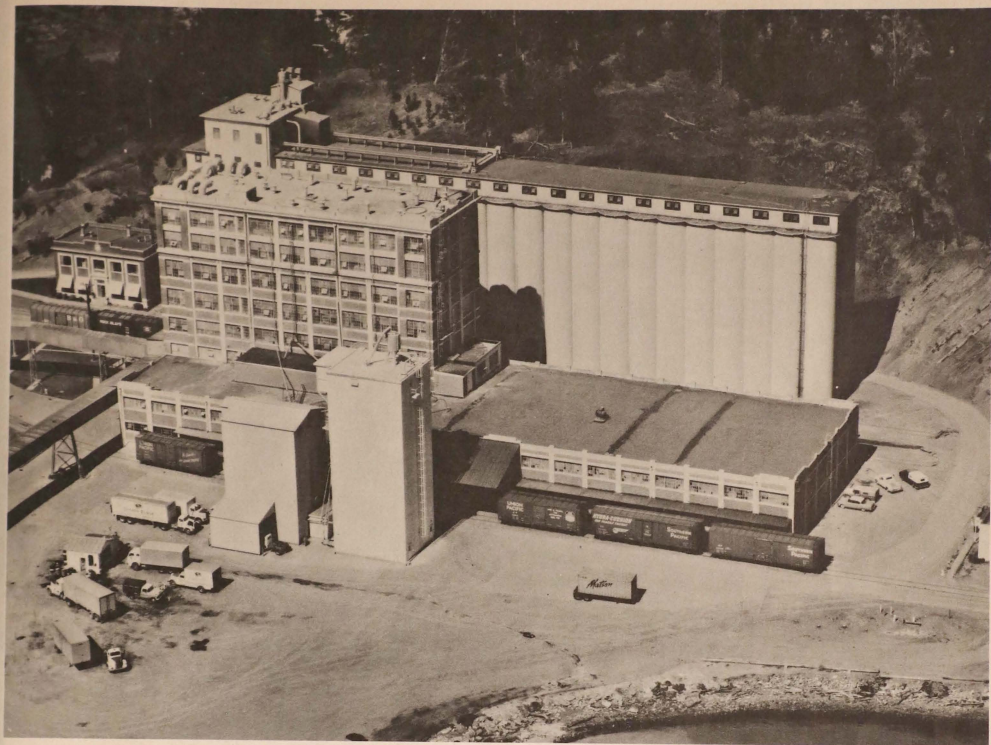
Labor Force

Travis Air Force Base is the West Coast separation center for the Air Force and each month men in the 22 to 23 year bracket are discharged after four year's service. Many of these men have high skill ratings.

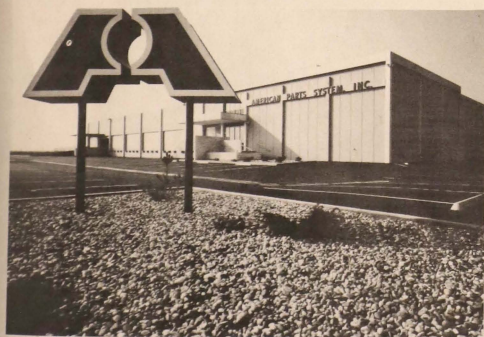
A pool of persons in the 40 to 45 year age bracket are retired from the military, concluding a minimum of twenty years' service. Many have high skill ratings with proficiency in more than one career field. Many of these retirees wish to remain in the Solano County Area, thus providing an excellent source of labor.

The employees of the shipyard, Travis Air Force Base and area industries include the highest skilled mechanics, technicians, scientists, and management personnel. Included are engineers, nuclear scientists, blacksmith, boilermakers, bridge crane operators, die sinkers, electricians, flame cutters, forgers, glaziers, instrument mechanics, machinists, molders, pattern-makers, pipefitters, sheet metal workers, shipwrights, tool makers, welders, and many other skills.

Solano County is not highly unionized. Construction and some manufacturing industries are represented by unions in the area. Government employees and clerical workers are generally not organized, although employees may belong to unions at their own option. The principal private industry unions are the building and construction trades; AFL-CIO sugar refinery



General Mills, Vallejo



American Parts Systems
Fairfield

workers; cannery and food processing; AFL-CIO grain millers; machinists; teamsters; chauffeurs and warehousemen and farm workers.

The county has not experienced any prolonged labor-management disputes in the past five years. During 1977 there were six work stoppages in the Vallejo-Fairfield-Napa Metropolitan Area involving 1100 workers.

Labor-Management relations are generally considered to be very satisfactory. The total unemployed in the Vallejo-Fairfield-Napa Metropolitan area in August, 1979 was 8400 or 6.6% of the labor force. Comparable earnings and hours of production and related workers in manufacturing for California and the Vallejo-Fairfield-Napa metropolitan area are given in the accompanying table. Specific wage data for skilled, semi-skilled and unskilled labor in the classifications of interest to industry will be furnished upon request. Information on fringe benefits is also available.



Port of Benicia - Industrial Park
Benicia — Martinez Bridge

VACAVILLE LIBRARY

*Solano County —
Where Business and Industry Thrive*